DEFENSE INFORMATION SYSTEMS AGENCY
P. O. BOX 549
FORT MEADE, MARYLAND 20755-0549

Joint Interoperability Test Command (JTE)   **4 Apr 12**

MEMORANDUM FOR DISTRIBUTION

SUBJECT: Extension of the Special Interoperability Test Certification of the Avaya Aura™ AS5300 Wide Area Network (WAN) Softswitch (SS), Version 2.0 (with specified patch releases) from Patch Bulletin 18 to Patch Bulletin 23

References: (a) DoD Directive 4630.05, "Interoperability and Supportability of Information Technology (IT) and National Security Systems (NSS)," 5 May 2004
  (b) CJCSI 6212.01E, "Interoperability and Supportability of Information Technology and National Security Systems," 15 December 2008
  (c) through (f), see Enclosure

1. References (a) and (b) establish the Joint Interoperability Test Command (JITC), as the responsible organization for interoperability test certification.

2. The Avaya Aura™ AS5300, Version 2.0 (with specified patch releases), hereinafter referred to as the System Under Test (SUT) was originally certified as a WAN SS (TN 1031901), Reference (c). The vendor submitted a Desktop Review (DTR) to update the SUT software from Patch Bundle 18 to Patch Bundle 23 to resolve interoperability issues that were identified in the operational environment. Patch Bundle 23 is a rollup of all the fixes in Patch Bundles 19, 20, 21, 22, and 23. JITC conducted testing using product requirements derived from the Unified Capabilities Requirements (UCR), Reference (d) and test procedures, Reference (e). The SUT's certification status will be evaluated during operational deployment. Any new discrepancy noted in the operational environment will be evaluated for impact on the existing certification. These discrepancies will be adjudicated to the satisfaction of Defense Information Systems Agency (DISA) via a vendor Plan of Action & Milestones (PoAM), which will address all new critical Test Discrepancy Reports (TDRs) within 120 days of identification. JITC does not certify any other configurations, features, or functions, except those cited in this memorandum, or authorized by the Program Management Office. This certification expires upon changes that affect interoperability, but no later than three years from 19 April 2011, which is the date the SUT was posted on the Unified Capabilities (UC) Approved Products List (APL).

3. JITC approves the extension of this certification for DTR 6 submitted to add Patch Bundle 23. All the interoperability fixes in Patch Bundle 23 were regression tested by JITC, Fort Huachuca, Arizona, from 8 through 23 March 2012. There were no new Information Assurance (IA) findings during the regression test and therefore the original IA approval applies to this DTR. There was one interoperability discrepancy found during regression testing. An unattended transfer with a subsequent attended transfer with the REDCOM LSC results in one-way audio. The vendor submitted a PoAM stating they will work with REDCOM to resolve the issue within 180 days. This was adjudicated by DISA to have a minor operational impact. Therefore, JITC

JITC Memo, JTE, Extension of the Special Interoperability Test Certification of the Avaya Aura™ AS5300 Wide Area Network (WAN) Softswitch (SS), Version 2.0 (with specified patch releases) from Patch Bulletin 18 to Patch Bulletin 23

approves this DTR. JITC's review of the DTR submission determined that there was no further impact on interoperability. Below is a synopsis of the multiple interoperability fixes included in Patch Bundles 19, 20, 21, 22, and 23:

Patch Bundle 19:
- RPM Security Update. Resolved in platform patch 13.0.30.
- Updated the server and windows JRE to release jre6u29. Resolved in Platform patch 13.0.30.
- IPSec causes kernel to crash. Resolved in Platform patch 13.0.30 .
- Failed attended transfers with the Cisco EBC. Resolved in SIP Core patch MCP_13.0.0.16_2011-11-25-0225.patch.
- Call Routing does not work. Resolved in SIP Core patch MCP_13.0.0.16_2011-11-25-0225.patch.
- The "o" line in the sdp answer is different from the "o" line in the sdp offer. Resolved in SIP Core patch MCP_13.0.0.16_2011-11-25-0225.patch.
- Add MSI installer file creation to build process on Hudson. Resolved in UC Client build 7.2.3076_20111108.

Patch Bundle 20
- Click2Call does not have means to add MKI to generated INVITEs. Resolved in SIP Core patch MCP_13.0.0.17_2011-12-21-1321.patch.
- SIMRing on PA does not work correctly if call forward variants is also enabled. Resolved in SIP Core patch MCP_13.0.0.17_2011-12-21-1321.patch.
- Tomcat CVE-2011-3190 requires tomcat upversion. Resolved in SIP Core patch MCP_13.0.0.17_2011-12-21-1321.patch.
- Avaya CM6 cannot maintain session. Resolved in SIP Core patch MCP_13.0.0.17_2011-12-21-1321.patch.
- Element Manager History Log does not show large backup jobs. Resolved in MAS load 6.6.0.91.
- Call from Unistism CS1K user to UCC installed on Win7 OS works improperly. Resolved in UC Client build 7.2.3080_20111220.
- Call transfer for PCA users when announce transfer used is failed. Resolved in UC Client build 7.2.3080_20111220.

Patch Bundle 21
- Intermittent issue about TLS connection b/w MAS and PROV. Resolved in Platform patch 13.0.31.
- Oracle Critical Patch Update January 2012. Resolved in Oracle Database patch 10.2.0.4.0 Patch Level: 25.

JITC Memo, JTE, Extension of the Special Interoperability Test Certification of the Avaya Aura™ AS5300 Wide Area Network (WAN) Softswitch (SS), Version 2.0 (with specified patch releases) from Patch Bulletin 18 to Patch Bulletin 23

- 11xx is failed to retrieve service package. Resolved in SIP Core patch MCP_13.0.0.19_2012-02-29-0457.patch.
- AS5300 2.0: Prop US6914. Resolved in SIP Core patch MCP_13.0.0.19_2012-02-29-0457.patch.
- AS5300: 487 message is sent instead of 406. Resolved in SIP Core patch MCP_13.0.0.19_2012-02-29-0457.patch.
- SIMRing on PA does not work correctly if "call forward variants" is also enabled. Resolved in SIP Core patch MCP_13.0.0.19_2012-02-29-0457.patch.
- MeetMe Uninstall removing entire directory structure. Resolved in MAS load 6.6.0.92.
- EMS Server Install (Netra T5220): remove unneeded packages (Firefox, Thunderbird & Office). Resolved in AudioCodes EMS 5.8.94.
- EMS Server Install: Remove SUNWrcmdc package (DOD:JITC:GEN003865). Resolved in AudioCodes EMS 5.8.94.
- EMS Server: OpenSSL 0.9.8r is missing library link in /usr/lib. Resolved in AudioCodes EMS 5.8.94.
- EMS Server: 5.8.92 to 5.8.93 upgrade fails. Resolved in AudioCodes EMS 5.8.94.

Patch Bundle 22
- AS5300 2.0: Prop US6914. Resolved in SIP Core patch MCP_13.0.0.19_2012-02-29-0457.patch.
- AS5300 2.0 - Critical memory overload in SESM when making call to CS1K through direct SIP trunk. Resolved in SIP Core patch MCP_13.0.0.19_2012-02-29-0457.patch
- When user calls with CS1K phone at the UC Client the call drops with internal error. Resolved in SIP Core patch MCP_13.0.0.19_2012-02-29-0457.patch.
- PB20 Install caused a JRE check servlet to fail to load. Resolved in SIP Core patch MCP_13.0.0.19_2012-02-29-0457.patch.
- MKI checkbox should be added in PA. Resolved in SIP Core patch MCP_13.0.0.19_2012-02-29-0457.patch.
- Users cannot be Deleted. Resolved in SIP Core patch MCP_13.0.0.19_2012-02-29-0457.patch.

Patch Bundle 23
- 11xx is failing to retrieve service package after being upgraded to new patch. This almost blocks SV testing. Resolved in SIP Core patch 13.0.0.20_2012-03-06-0225.patch

4. Table 1 lists the interface status of the SUT. Table 2 lists the Capability Requirements (CR) and Functional Requirements (FR), and component status of the SUT. The threshold CR and FR for LSCs are established by Sections 5.3.2, 5.3.4, 5.3.5, and 5.4 of Reference (d) and were used to evaluate the interoperability of the SUT.

Table 1. SUT Interface Interoperability Status

Interface	Critical	UCR Reference	Threshold CR/FR[1]	Status	Remarks[2]
External Interfaces					
10Base-X	Yes	5.3.2.4.2	1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, and 14	Certified	Met threshold CRs/FRs for IEEE 802.3i and 802.3j for the AS-SIP trunk.
100Base-X	Yes	5.3.2.4.2	1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, and 14	Certified	Met threshold CRs/FRs for IEEE 802.3u for the AS-SIP trunk.
1000Base-X	Yes	5.3.2.4.2	1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, and 14	Certified	Met threshold CRs/FRs for IEEE 802.3z and 802.3ab. Applies to AS-SIP trunk interface.
ISDN T1 PRI ANSI T1.619a	Yes	5.3.2.4.3	2, 3, 6, 7, 9, 11, and 14	Certified	Met threshold CRs/FRs. This interface provides legacy DSN and TELEPORT connectivity.
ISDN T1 PRI NI-2	Yes	5.3.2.4.3	2, 3, 6, 7, 9, 11, and 14	Certified	Met threshold CRs/FRs. This interface provides PSTN connectivity.
E1 PRI ITU-T Q.931	No	5.3.2.12.10	2, 3, 6, 7, 9, 11, and 14	Certified	Met threshold CRs/FRs for this interface. This interface provides PSTN connectivity..
SONET OC-3	No	5.3.2.8.4	2, 3, 6, 7, 9, 11, and 14	Certified	Met threshold CRs/FRs for this interface.
NM					
10Base-X	Yes	5.3.2.4.4 5.3.2.7.2.8	15	Certified	Met threshold CRs/FRs for this interface. Verified via LoC.
100Base-X	Yes	5.3.2.4.4 5.3.2.7.2.8	15	Certified	Met threshold CRs/FRs for this interface. Verified via LoC.

NOTES:
1. The SUT high-level CR and FR ID numbers depicted in the Threshold CRs/FRs column can be cross-referenced in Table 2. These high-level CR/FR requirements refer to a detailed list of requirements provided in Reference (c).
2. Detailed information pertaining to open TDRs and associated operational impacts is in Reference (c).

LEGEND:

10Base-X	10 Mbps Ethernet	JITC	Joint Interoperability Test Command
100Base-X	100 Mbps Ethernet	LoC	Letter of Compliance
1000Base-X	1000 Mbps Ethernet	Mbps	Megabits per second
802.3i	10 Mbps twisted pair media for 10Base-X networks	MLPP	Multi-Level Precedence and Preemption
802.3j	10 Mbps fiber media for 10Base-X networks	NI-2	National ISDN Standard 2
802.3u	100BASE-TX, 100BASE-T4, 100BASE-FX Fast Ethernet at 100 Mbps with auto negotiation	NM	Network Management
		OC-3	Optical Carrier Level 3 (155 Mbps)
ANSI	American National Standards Institute	PRI	Primary Rate Interface
APL	Approved Products List	PSTN	Public Switched Telephone Network
AS-SIP	Assured Services Session Initiation Protocol	Q.931	Signaling Standard for ISDN
CAS	Channel Associated Signaling	Q.955.3	ISDN Signaling Standard for E1 MLPP
CCS7	Common Channel Signaling Number 7	SONET	Synchronous Optical Network
CR	Capability Requirement	SS	Softswitch
DSN	Defense Switched Network	SS7	Signaling System 7
E1	European Basic Multiplex Rate (2.048 Mbps)	SUT	System Under Test
FR	Functional Requirement	T1	Digital Transmission Link Level 1 (1.544 Mbps)
ID	Identification	T1.619a	SS7 and ISDN MLPP Signaling Standard for T1
IEEE	Institute of Electrical and Electronics Engineers	TDR	Test Discrepancy Reports
ISDN	Integrated Services Digital Network	UC	Unified Capabilities
ITU-T	International Telecommunication Union – Telecommunication Standardization Sector	UCR	Unified Capabilities Requirements
		WAN	Wide Area Network

Table 2. SUT CR and FR Status

CR/FR ID	Capability/Function	Applicability[1]	UCR Reference	Status	Remarks
1	**Assured Services Product Features and Capabilities**				
	DSCP Packet Marking	Required	5.3.2.2.1.4	Met	None
	Voice Features and Capabilities	Required	5.3.2.2.2.1	Partially Met[2]	None
	Public Safety Features	Required	5.3.2.2.2.2	Met	None
	ASAC Voice	Required	5.3.2.2.2.3.1.2	Met	None
	ASAC Video	Required	5.3.2.2.2.3.2	Met	None
	Signaling Protocols	Required	5.3.2.2.2.3	Met	None
	Signaling Performance	Required	5.3.2.2.2.4	Met	None
2	**Registration, Authentication, and Failover**				
	Registration	Required	5.3.2.3.1	Met	None
	Failover	Required	5.3.2.3.2	Met	None
3	**Product Physical, Quality, and Environmental Factors**				
	Availability	Required	5.3.2.5.2.1	Met	None
	Maximum Downtimes	Required	5.3.2.5.2.2	Met	None
	Loss of Packets	Required	5.3.2.5.4	Met	None
4	**Global Location Server**				
	Global Location Server Requirements	Required	5.3.2.8.2.2	Met	None
5	**LSC Requirements for WAN Softswitch**				
	LSC Requirements	Conditional	5.3.2.7	Partially Met[3]	None
6	**Call Connection Agent Requirements**				
	CCA IWF Component	Required	5.3.2.9.2.1	Met	None
	CCA MGC Component	Required	5.3.2.9.2.2	Met	None
	SG Component	Conditional	5.3.2.9.2.3	Not Tested[4]	None
	CCA-IWF Support for AS-SIP	Required	5.3.2.9.5.1	Met	None
	CCA-IWF Support for SS7	Conditional	5.3.2.9.5.2	Not Tested[4]	None
	CCA-IWF Support for PRI via MG	Required	5.3.2.9.5.3	Met	None
	CCA-IWF Support for CAS Trunks via MG	Conditional	5.3.2.9.5.4	Not Tested[4]	None
	CCA-IWF Support for VoIP and TDM Protocol Interworking	Required	5.3.2.9.5.6	Met	None
	CCA Preservation of Call Ringing State during Failure Conditions	Required	5.3.2.9.6	Not Met[5]	None
	CCA Interactions with Transport Interface Functions	Required	5.3.2.10.3	Met	None
	CCA Interactions with the EBC	Required	5.3.2.10.4	Met	None
	CCA Support for Admission Control	Required	5.3.2.10.5	Met	None
	CCA Support for UFS	Required	5.3.2.10.6	Met	None
	CCA Support for IA	Required	5.3.2.10.7	Met	None
	CCA Support for AS Voice and Video	Required	5.3.2.10.11	Partially Met[6,7]	None
	CCA Interactions with Service control Functions	Required	5.3.2.10.12	Met	None
	CCA Interworking between AS-SIP and SS7	Conditional	5.3.2.11	Not Tested[4]	None

Table 2. SUT CR and FR Status (continued)

CR/FR ID	Capability/Function	Applicability[1]	UCR Reference	Status	Remarks
7	**MG Requirements**				
	Role of MG In SS	Required	5.3.2.12.3.2.1	Met	None
	MG Support for ASAC	Required	5.3.2.12.4.1	Met	None
	MG and IA Functions	Required	5.3.2.12.4.2	Met	None
	MG Interaction with Service Control Function	Required	5.3.2.12.4.3	Met	None
	MG Interactions with IP Transport Interface Functions	Required	5.3.2.12.4.4	Met	None
	MG-EBC interactions	Required	5.3.2.12.4.5	Met	None
	MG IP-Based PSTN Interface Requirements	Conditional	5.3.2.12.4.7	Not Tested[4]	None.
	MG support for User Features and Services	Required	5.3.2.12.4.9	Met	None
	MG Interface to TDM	Required	5.3.2.12.5	Met[4]	None
	MG Interface to TDM Allied and Coalition	Conditional	5.3.2.12.6	Not Tested[4]	None.
	MG Interface to TDM PSTN in U.S	Required	5.3.2.12.7	Met	None
	MG Interfaces to TDM PSTN OCONUS	Required	5.3.2.12.8	Met	None
	MG Support for CCS7	Conditional	5.3.2.12.9	Not Tested[4]	None
	MG Support for ISDN PRI Trunks	Required	5.3.2.12.10	Met	None
	MG Support for CAS Trunks	Conditional	5.3.2.12.11	Not Tested[4]	None
	MG Echo Cancellation	Required	5.3.2.12.13	Met	None
	MG Clock Timing	Required	5.3.2.12.14	Met	None
	MGC-MG CCA Functions	Required	5.3.2.12.15	Met	None
	MG V.150.[1]	Required	5.3.2.12.16	Not Met[8]	None
	MG Preservation of Call Ringing during Failure	Required	5.3.2.12.17	Not Tested[5]	None
8	**SG Requirements**				
	SG and CCS7 Network Interactions	Conditional	5.3.2.13.5.1	Not Tested[4]	None
	SG Interactions with CCA	Conditional	5.3.2.13.5.2	Not Tested[4]	None
	SG Interworking Functions	Conditional	5.3.2.13.5.3	Not Tested[4]	None
9	**WWNDP Requirements**				
	WWNDP	Required	5.3.2.16	Met	None
	DSN WWNDP	Required	5.3.2.16.1	Met	None
10	**Commercial Cost Avoidance**				
	Commercial Cost Avoidance	Required	5.3.2.23	Met[9]	None
11	**Precedence Call Diversion**				
	Precedence call Diversion	Conditional	5.3.2.25	Met	None
12	**AS-SIP Requirements**				
	AS-SIP General Requirements	Required	5.3.4	Partially Met[7]	None
	SIP Session Keep-Alive Timer	Required	5.3.4.8	Met	None
	Session Description Protocol	Required	5.3.4.9	Met	None
	Precedence and Preemption	Required	5.3.4.10	Met	None
	Video Telephony – General Rules	Required	5.3.4.12	Partially Met[7]	None
	Calling Services	Required	5.3.4.13	Met	None
	SIP Translation Requirements for Inter-working AS-SIP Signaling Appliances	Required	5.3.4.14	Met	None
	Relevant Timers for the Terminating Gateway and the Originating Gateway	Required	5.3.4.15	Met	None
	SIP Requirements for Interworking AS-SIP Signaling Appliance	Required	5.3.4.16	Met	None
	Keep-Alive Timer Requirements for Interworking AS-SIP Signaling Appliances	Required	5.3.4.17	Met	None
	Precedence and Preemption Extensions for Interworking AS-SIP Signaling Appliances	Required	5.3.4.18	Met	None
	Supplementary Services	Required	5.3.4.19	Met	None
13	**IPv6 Requirements**				
	Product Requirements	Required	5.3.5.4	Partially Met[10]	None

Table 2. SUT CR and FR Status (continued)

CR/FR ID	Capability/Function	Applicability[1]	UCR Reference	Status	Remarks
14	**Information Assurance**				
	Information Assurance Requirements	Required	5.4	Met[11]	None
15	**Network Management**				
	General Management Requirements	Required	5.3.2.17.2	Partially Met[12]	None
	VVoIP NMS Interface Requirements	Required	5.3.2.4.4	Partially Met[12]	None
	Requirement for FCAPS Management	Required	5.3.2.17.3	Partially Met[12,13]	None
	NM requirements of Appliance Functions	Required	5.3.2.18	Partially Met[12]	None
	Accounting Management	Required	5.3.2.19	Partially Met[12]	None

NOTES:

1. The annotation of 'required' refers to a high-level requirement category. The applicability of each sub-requirement is provided in Reference (c).

2. The SUT had outstanding open TDRs at the completion of testing, which were adjudicated by DISA to have a minor operational impact. The vendor has submitted a POA&M to address the open TDRs. Reference (c) provides additional details. The DTR 6 request resulted in V&V testing conducted from 8 through 23 March 2012. During this test, a discrepancy was noted in which an unattended transfer with a subsequent attended transfer with the REDCOM LSC results in one-way audio. The vendor submitted a POA&M stating they will work with REDCOM to resolve the issue within 180 days. The one-way audio is cleared if the user puts the second "attended" transferred call on hold, then off hold, which results in two-way audio. This was adjudicated by DISA to have a minor operational impact.

3. The LSC is an optional integrated component of the SUT and; therefore, the SUT is certified for joint use with or without the LSC. The SUT was certified with noted minor operational discrepancies. The LSC Special Interoperability Certification letter and test summary report is posted on the UC APL under TN# 0911801. The SUT partially met PEI requirements (no video). The AEI and Operator Console requirements were not tested; this requirement represents a new UCR requirement (Jan 2010) at the time of the APL interoperability testing and therefore compliance is not mandatory at that time, based on allowance of an 18-month development cycle for new requirements.

4. This capability or interface is a conditional requirement for a WAN SS. The SUT met all the interfaces requirements for a T1 ISDN PRI (ANSI T1.619a and ANSI T1 607 NI2) and E1 ISDN PRI (ETSI PSTN interface only).

5. This requirement represents a new UCR requirement (Jan 2010) at the time of the APL interoperability testing and therefore compliance is not mandatory at that time, based on allowance of an 18-month development cycle for new requirements.

6. The SUT PEI hardphone met the UCR requirements for voice only. The PEI softphone met both voice and video requirements with one exception: The softphone can assign any DSCP value from 0-63 to media and signaling but cannot assign a unique DSCP value for each precedence level per the UCR when running on Windows Vista or Windows 7. The softphone assigns the same DSCP value for all precedence levels. This discrepancy was adjudicated by DISA on August 2011 with a minor operational impact.

7. The vendor did not support AEI video or voice capability. This was adjudicated by DISA to have a minor operational impact since there were no certified AEI video end instruments on the UC APL and furthermore, AEIs are a new UCR 2008, Change 1 requirement and therefore compliance is not mandatory at the time of APL interoperability testing, based on allowance of an 18-month development cycle for new requirements.

8. The vendor did not demonstrate V.150.1 support. This requirement represents a new UCR requirement (Jan 2010) at the time of the APL interoperability testing and therefore compliance is not mandatory at that time, based on allowance of an 18-month development cycle for new requirements.

9. The SUT met this requirement with a Lightweight Directory Access Protocol server which is covered under a separate Interoperability Certification listed separately on the UC APL.

10. The DISA adjudicated all open TDRs to have a minor operational impact. The fielding of the SUT is limited to IPv4 across the DISN based on the fielding environment, IPv6 partial compliance and POA&M addressing critical IPv6 discrepancies in their next major release in 2012. DISA retains the authority to remove this product from the Department of Defense (DoD) Unified Capabilities (UC) Approved Products List (APL) as follow-on products are fielded with full IPv6 capability. The SUT was tested and met IPv6 interoperability requirements with its optional LSC intra-enclave only with the following discrepancies which were adjudicated by DISA as having an minor operational impact:

    a. POA&M. The SUT does not meet RFC 4007 for IPv6 Scoped Address Architecture.

    b. The SUT does not support IPv6 (Signaling or Media) with the MP112 and MP124 analog IADs.

    c. The SUT SESM Core supports IPv4 only for signaling inter-enclave (WAN).

    d. The SUT Audio Codes MG3K supports IPv4 only for signaling and both IPv4 and IPv6 dual stack for media intra and interenclave.

11. Information Assurance was tested by a DISA-led Information Assurance test team and published in a separate report, Reference (f).

JITC Memo, JTE, Extension of the Special Interoperability Test Certification of the Avaya Aura™ AS5300 Wide Area Network (WAN) Softswitch (SS), Version 2.0 (with specified patch releases) from Patch Bulletin 18 to Patch Bulletin 23

Table 2. SUT CR and FR Status (continued)

NOTES (continued):
12. The vendor submitted a NM LoC with noted discrepancies. The following open TDRs were adjudicated by DISA to have a minor operational impact with a vendor submitted POA&M:
    a. The SUT does not fully support SNMP and MIBs IAW IETF Standards 58 and 62.
    b. The SUT is not fully compliant with NM call detail records formats.
    c. SUT does not support management requirements for ASAC.
13. The SUT does not support destination code controls. The SUT does not have the capability of setting the percentage of calls to be blocked to the designated destination(s). This was adjudicated by DISA to have a minor operational impact.

LEGEND:

AEI	Assured Services End Instrument	Mbps	Megabits per second
APL	Approved Products List	MG	Media Gateway
ASAC	Assured Services Admission Control	MGC	Media Gateway Controller
AS	Assured Services	MIB	Management Information Base
ASD/NII	Assistant Secretary of Defense for Networks and Information Integration	NM	Network Management
		NMS	Network Management System
AS-SIP	Assured Services Session Initiation Protocol	OCONUS	Outside the Continental United States
CAS	Channel Associated Signaling	PEI	Proprietary End Instrument
CCA	Call Connection Agent	POA&M	Plan of Action and Milestones
CCS7	Common Channel Signaling Number 7	PRI	Primary Rate Interface
CR	Capability Requirement	PSTN	Public Switched Telephone Network
CM	Configuration Management	RFC	Request for Comment
DISA	Defense Information Systems Agency	SESM	Subscriber Edge Services Manager
DISN	Defense Information System Network	SG	Signaling Gateway
DoD	Department of Defense	SIP	Session Initiation Protocol
DSCP	Differentiated Services Code Point	SNMP	Simple Network Management Protocol
DSN	Defense Switched Network	SNMPv2	Simple Network Management Protocol version 2
E1	European Basic Multiplex Rate (2.048 Mbps)	SNMPv3	Simple Network Management Protocol version 3
EMS	Element Management System	SS	Softswitch
FR	Functional Requirement	SS7	Signaling System 7
IA	Information Assurance	SUT	System Under Test
IAW	In accordance with	T1	Digital Transmission Link Level 1 (1.544 Mbps)
IETF	Internet Engineering Task Force	TDR	Test Discrepancy Report
IP	Internet Protocol	TDM	Time Division Multiplexing
IPSec	Internet Protocol Security	UC	Unified Capabilities
IPv6	Internet Protocol version 6	UCR	Unified Capabilities Requirements
ISDN	Integrated Services Digital Network	V&V	Verification and Validation
IWF	Interworking Function	VoIP	Voice over Internet Protocol
LDAP	Lightweight Directory Access Protocol	VVoIP	Voice and Video over Internet Protocol
LoC	Letter of Compliance	WAN	Wide Area Network
LSC	Local Session Controller	WWNDP	World Wide Numbering and Dialing Plan

5. No detailed test report was developed in accordance with the Program Manager's request. JITC distributes interoperability information via the JITC Electronic Report Distribution (ERD) system, which uses Unclassified-But-Sensitive Internet Protocol Router Network (NIPRNet) e-mail. More comprehensive interoperability status information is available via the JITC System Tracking Program (STP). The STP is accessible by .mil/gov users on the NIPRNet at https://stp.fhu.disa.mil. Test reports, lessons learned, and related testing documents and references are on the JITC Joint Interoperability Tool (JIT) at http://jit.fhu.disa.mil (NIPRNet). Information related to DSN testing is on the Telecom Switched Services Interoperability (TSSI) website at http://jitc.fhu.disa.mil/tssi. Due to the sensitivity of the information, the Information Assurance Accreditation Package (IAAP) that contains the approved configuration and deployment guide must be requested directly through government civilian or uniformed military personnel from the Unified Capabilities Certification Office (UCCO), e-mail: ucco@disa.mil.

JITC Memo, JTE, Extension of the Special Interoperability Test Certification of the Avaya Aura™ AS5300 Wide Area Network (WAN) Softswitch (SS), Version 2.0 (with specified patch releases) from Patch Bulletin 18 to Patch Bulletin 23

6. The JITC point of contact is Capt Stephane Arsenault, JITC, commercial (520) 538-5269 or DSN 312-879-5269; e-mail address is Stephane.Arsenault@disa.mil. The JITC's mailing address is P.O. Box 12798, Fort Huachuca, AZ 85670-2798. The UCCO tracking number is 1031901.

FOR THE COMMANDER:

Enclosure a/s   for BRADLEY A. CLARK
                                                     Chief
                                                     Battlespace Communications Portfolio

Distribution (electronic mail):
Joint Staff J-6
Joint Interoperability Test Command, Liaison, TE3/JT1
Office of Chief of Naval Operations, CNO N6F2
Headquarters U.S. Air Force, Office of Warfighting Integration & CIO, AF/XCIN (A6N)
Department of the Army, Office of the Secretary of the Army, DA-OSA CIO/G-6 ASA (ALT), SAIS-IOQ
U.S. Marine Corps MARCORSYSCOM, SIAT, MJI Division I
DOT&E, Net-Centric Systems and Naval Warfare
U.S. Coast Guard, CG-64
Defense Intelligence Agency
National Security Agency, DT
Defense Information Systems Agency, TEMC
Office of Assistant Secretary of Defense (NII)/DOD CIO
U.S. Joint Forces Command, Net-Centric Integration, Communication, and Capabilities Division, J68
Defense Information Systems Agency, GS23

ADDITIONAL REFERENCES

(c) Joint Interoperability Test Command, Memo, JTE, "Special Interoperability Test Certification of the Avaya Aura™ AS5300 Wide Area Network (WAN) Softswitch (SS), Version 2.0 (with specified patch releases)," 12 December 2011
(d) Office of the Assistant Secretary of Defense, "Department of Defense Unified Capabilities Requirements 2008, Change 1," 22 January 2010
(e) Joint Interoperability Test Command, "Unified Capabilities Test Plan (UCTP)," Draft
(f) Joint Interoperability Test Command, "Information Assurance (IA) Assessment of Avaya Aura™ AS5300 Version 2.0 WAN SS (TN 1031901)," 1 April 2011

Enclosure